

## For more information:

Contact: Roger Schmidt  
Dodge City Community College  
2501 N. 14th Avenue  
Dodge City, Kansas 67801-2399  
(316) 225-1321, ext. 263 or  
toll-free in Kansas: 1-800-742-9519

## How to Apply for Admissions

Dodge City Community College has an open-door admissions policy with the following requirements for all full-time students:

1. Complete application for admission.
2. Send A.C.T. scores. (S.A.T. are accepted)
3. Send high school transcript or equivalent. (G.E.D.)
4. Send college transcript (if applicable).
5. Submit a physical exam (required only from athletes and nursing majors).

The following two items are not requirements for admissions but essential planning steps for some students:

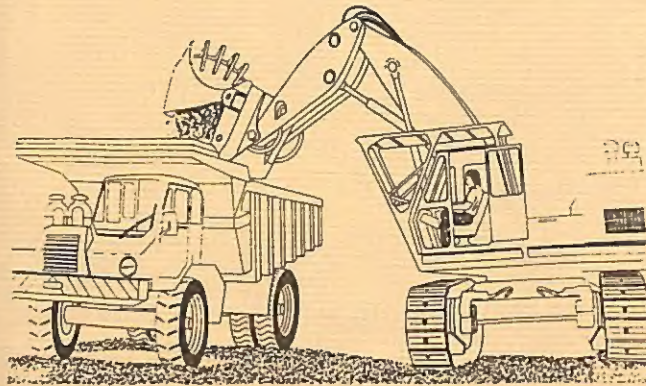
6. Submit a deposit to reserve on-campus housing.
7. Check into financial aid and scholarship. Make applications where appropriate.

High school seniors, with written permission from their principal, may enroll in classes for college credit.

Dodge City Community College is fully-accredited by the North Central Association of Colleges and Secondary Schools and the Kansas Department of Education.

# Diesel Equipment Technology

## AGRICULTURE TECHNOLOGY



## DODGE CITY COMMUNITY COLLEGE

2501 N. 14th Avenue  
Dodge City, KS 67801  
(316) 225-1321 or toll-free  
in KS: 1-800-742-9519

## Diesel Equipment Program

If your career goals are centered in any area of Diesel Equipment Technology, you know that the whole industry has expanded tremendously. Diesel Equipment Technology will continue that expansion as diesel engines replace gasoline engines on a wide variety of equipment. Job opportunities are varied and challenging.

Three major options of DCCC's Diesel Equipment Technology Program:

### ★ Certificate

If your goal is to enter the immediate job market as a technician in the area of maintenance and repair, you may elect to earn either a one-year or a two-year certificate.

### ★ A.A.S. Degree

You may incorporate course work in Diesel Equipment Mechanics with other general education classes over a two-year period to obtain an **Associate of Applied Science degree**.

### ★ B.S. Degree

Many of these classes will transfer to four-year institutions as part of a **baccalaureate program** to prepare you for middle management responsibilities in the industry.

Also,

★ classroom lectures covering the latest technological concepts

★ laboratory experience in a live service-department situation with the same equipment you'll be using in the field

## Career Opportunities

You will discover that excellent employment opportunities can be found locally or world-wide in areas of manufacturing, sales, repair and maintenance of the following gas and diesel-powered equipment:

Agricultural Machines

Automobiles

Light, Medium, and Heavy Duty Trucks

Oil Field Equipment

Power Generators

Heavy Equipment

Marine Equipment

## Starting Date

Students may enroll in this program at the start of any semester, January or August. There are a number of specialty classes that maybe taken without enrolling in the entire program.

The classes are also scheduled to provide the student with ample time to earn money at a part-time job while attending school.

Dodge City Community College is committed to equal opportunity for all students regardless of sex, race, color, and national or ethnic origin, or physical handicap in the administration of admissions policies, educational policies, scholarship and loan programs, and athletics or other school-administered programs.



Course Content

The content of this program has been designed with the cooperation of local advisory board members who are experts in this field. DCCC Diesel Equipment Technology students will be prepared for the ever-changing job requirements. Listed below are descriptions of technical courses you will be studying.

Power Mechanics

Design and repair of diesel, gasoline, natural gas, and liquified petroleum engines

Diesel Fuel Systems

Study of high pressure fuel injection systems, proper repair, calibration and adjustments of the fuel systems on the engine

Power Trains

Automatic as well as standard transmissions, clutches, differentials, drive lines, and brake systems will be studied in detail

Hydraulic Systems

Diagnosis and repair of components on mobile hydraulic systems

Electrical Systems

Theory and service of basic electrical systems used on all types of mobile machinery



Electrical and Electronic Control Systems

Theory of electricity and electronics and their practical application on automotive and industrial equipment

Metal Processes

Practice of basic welding and machining skills

Engine Analysis

Diagnosis and repair of electrical, ignition, charging, fuel and emission control systems

Air Conditioning

Theory of operation and repair procedures of automotive and tractor air-conditioning systems

Occupational Experience

Earn college credit while working at a part-time job related to your course of study

Diesel Equipment Technology

Associate of Applied Science Degree 2 yr.  
FRESHMAN:

1st SEMESTER (FALL)	HRS.
Class	
Power Mechanics	5
Engine Electrical & Electronic Controls	3
Overhaul Lab I	5
Metal Processes for Mechanics	2
Physical Education Elective	1
Total	16

2nd SEMESTER (SPRING)	Hrs.
Hydraulic Systems	5
Engine Analysis	3
English Composition	3
Air Conditioning	2
Overhaul Lab II	5
Physical Education Elective	1
Total	19

SOPHOMORE	
1st SEMESTER (FALL)	
Diesel Fuel Systems	5
Overhaul Lab III	5
General Psychology	3
Elective	3
(Occupational Experience)	
Total	16



2nd SEMESTER (SPRING)	
Power Transmission and Final Drive	5
Overhaul Lab IV	5
Physical Science	3
Sociology (Occupational Experience)	3
Total	16

Diesel Equipment Technology Certificate	
1 yr.	
1st SEMESTER (FALL)	Hrs.
Class	
Power Mechanics	5
Engine Electrical & Electronic Controls	3
Diesel Fuel Systems	5
Overhaul Lab I	5
Total	18

2nd SEMESTER (SPRING)	
Hydraulic Systems	5
Engine Analysis	3
Power Transmission & Final Drives	5
Air Conditioning	2
Overhaul Lab II	
or	
Occupational Experience (3)	5
Total	20